

ABSTRACT

Amphipathic glycopeptides, the amino acid sequence of which comprises an N-terminal opioid message sequence, a C-terminal helical address sequence, and a linker sequence between the message sequence and the helical address sequence, where the C-terminal helical address sequence has a length of nine amino amino acids, and at least one of the amino acid residues of the peptide is glycosylated. The peptides are useful for relieving pain, providing analgesia and treating anxiety, depression, obesity, anorexia nervosa, phobias, schizophrenia, Parkinson's disease and Alzheimer's disease.